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ABSTRACT

The fourth annual meeting of editors of national surveys of educational research was held in the form of a joint meeting with the members of the Bureau of the Committee for Educational Documentation and Information on May 25, 1976, in Strasbourg. Oral reports were given on the present state of national surveys and related activities in each country, and new developments in the dissemination of research findings were reported, including project EUDISED (European Documentation and Information System for Education). Selection criteria for EUDISED documents were discussed, and instructions for completing EUDISED worksheets were introduced. This report summarizes the main points of the agenda, and the appendixes provide a list of participants and samples of documents used in EUDISED selection procedures. (EMH)

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Strasbourg, 1 June 1976

DECS/Rech (76) 23
Or. Engl.

COUNCIL FOR CULTURAL CO-OPERATION

COMMITTEE FOR EDUCATIONAL RESEARCH/
COMMITTEE FOR EDUCATIONAL DOCUMENTATION
AND INFORMATION

Joint meeting of editors of national surveys of educational research and of members of the Bureau of the Committee for Educational Documentation and Information

Strasbourg, 25/26 May 1976

SUMMARY REPORT

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U S DEPARTMENT OF HEALTH, EDUCATION & WELFARE
NATIONAL INSTITUTE OF EDUCATION

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PARTICIPANTS AND AGENDA

1. The fourth annual meeting of the editors of national surveys of educational research was held in the form of a joint meeting with the members of the Bureau of the Committee for Educational Documentation and Information on 25/26 May 1976 in Strasbourg. The meeting was chaired by Mr. B. Gran (Sweden), Chairman of the Committee for Educational Documentation and Information. Fourteen countries were represented. Observers from the Commission of the European Communities and from PPL Text Processing Services attended the meeting. The list of participants is given in Appendix I and the agenda adopted by the meeting in Appendix II.

PRESENT STATE OF NATIONAL SURVEYS OF EDUCATIONAL RESEARCH

2. Oral reports were given on the present state of national surveys of educational research and related activities in each country. The latest bibliography of the surveys which was revised by participants is contained in document DECS/Rech (76) 21. It was evident from the reports that considerable progress had been made in all countries despite economic constraints. The national surveys had in most countries become well-established. The countries which, at the latest meetings in Strasbourg in February 1975 and in Luxembourg in November 1975, had reported certain difficulties in organising the surveys had been able to overcome these difficulties. Furthermore, new developments in the dissemination of research findings were reported: apart from the "newsletter system" which already existed in many countries, there were plans in several countries to create "readers' digests" for teachers to keep them informed of the latest and most important research findings. The EUDISED thesaurus was being used in all countries and had thus become a common tool for educational documentation and information in Europe. Certain countries for whose language a version of the thesaurus did not yet exist were using translations of EUDISED descriptors. A copy of the Spanish version, which had just been published by Mouton (most readily obtainable from their Paris office, 7 rue Dupuytren, 75007 Paris), was circulated at the meeting, and it was reported that the Dutch version would appear in autumn 1976. Participants expressed the hope that an Italian version might be prepared in the coming year, and that Italy would in future join in these meetings and activities.

PRESENT STATE OF THE EUDISED PROJECT

3. The Secretariat introduced the information note on the technical implementation of EUDISED R & D in 1976 (document DECS/Rech (76) 9) and reported briefly on the present state of the other EUDISED activities.

PROCEDURE IN 1976 FOR CONTINUING THE NATIONAL SURVEYS AND EUDISED R & D

4. The representatives of the 14 countries expressed their readiness to contribute to EUDISED R & D as from 1976 onwards. It was agreed that contributions could also include research of the year 1975 in so far as it was not yet covered by national surveys already published or in preparation. It was, furthermore, agreed that all countries should in principle report on both ongoing and completed research and that those countries which at present were dealing in their national surveys with only one category should examine whether they could in future develop their system so as to cover both. In this context it was decided that ongoing research should only be reported if there was sufficient information on objectives, methods, samples, hypotheses, etc., as mere title and author lists had proved to be unsatisfactory.

Selection criteria

5. Participants were unanimous in stating that - although responsibility for selecting national projects to be reported to EUDISED R & D remained with the national agencies - there was a need for common selection criteria. It was therefore decided to set up a working party to elaborate common selection criteria to be applied as from 1977 onwards. Three members of this Working Party:

Mr. Gran, Mr. Spangenberg and Mr. Viet

were nominated by participants. The Secretariat was requested to submit the matter to the annual meeting of the Committee for Educational Research in June 1976 and to ask for the nomination of three more members. The Working Party should, if possible, hold its first meeting in September 1976 and its second and final meeting in late 1976 or early 1977.

6. As for 1976, provisional guidelines for selection of projects were discussed and an agreement in principle was reached. All educational research should be reported that was:

- funded by ministries, local education authorities and official bodies, such as research councils, or

- carried out by organisations/institutes independent of universities and specialised in educational research (eg National Foundation for Educational Research in England and Wales), it being a matter for decision at national level whether to report on projects of lesser importance.

Furthermore, all experimental and developmental work in the education sector, ranging from pre-school to adult education, should be reported provided that it:

- contained an inbuilt research element (eg researchers participating in the design, implementation or evaluation of the work in question).

As for university research, there was general agreement that

- doctoral theses should as a rule not be reported, as there existed already several international or European repertories of such theses.

Various criteria for the remainder of university research were discussed (Only experimental research: but how to avoid the limitations of an outdated positivism which might exclude critical research ? Only decision-oriented research: but how to distinguish it in each individual case from conclusion-oriented research ? etc.). It was felt that it would be one of the main tasks of the Working Party to elaborate selection criteria in this field, and it was left to the national agencies to continue to apply in 1976 those criteria which had in the past given satisfactory results in the national context in question. Finally, the Secretariat was requested to submit notes on the discussion to the Working Party for information, in particular the proposal made by Mr. Gilbert (see Appendix III).

7. In this connection the Secretariat put on record its opinion that the success or failure of EUDISED R & D would depend on the strict application of appropriate selection criteria. Member governments had so far funded the EUDISED project because they hoped that it would enable them to improve their national education systems by benefiting from research and development in neighbouring countries. EUDISED R & D would therefore have to be policy-oriented or, in other words, selective as regards traditional academic research. A non-selective system aiming at complete coverage of all educational research in Europe - the preference of researchers and librarians - would meet difficulties in obtaining the necessary finance both at national and European levels.

Instructions for completing the EUDISED R & D worksheets

8. Mr. Carmichael, representative of PPL Text Processing Services, described briefly their place in the INSPEC systems and circulated a sample of their publications. He introduced draft instructions for completing the EUDISED R & D worksheets, aimed at facilitating the processing and prepared by PPL on the basis of the agreements reached at the preceding meeting in Luxembourg (see report DECS/Rech (75) 57, paragraph 5). The draft instructions were discussed in detail. The final version adopted by participants is given in Appendix IV.

9. It was recommended that the EUDISED descriptors to be inserted in Field 16 of the worksheet, first in English and then in a second paragraph in French, should appear in the EUDISED R & D Bulletins. The Secretariat had to make the reservation that the expense involved must not exceed £1,000 for 1976. Fields 17, 18 and 19 should not be published in the bulletins.

10. It was agreed that one copy of each completed worksheet should be sent by all national agencies to:

Council of Europe
Division for Educational Documentation
and Research
67006 Strasbourg CEDEX
France,

in batches of 10-20 worksheets. The Secretariat would check the worksheets linguistically and technically before passing them on to PPL. The despatch of worksheets to the Secretariat should begin as soon as possible. It was agreed that 15 December 1976 should be the deadline, after which no more worksheets would be accepted for 1976.

National surveys of educational research

11. The Secretariat and the representative of PPL stated that the new system under which the expenses for processing were borne by the Council of Europe offered to national agencies the possibility of buying film pages of the national projects reported and of the corresponding indexes (author indexes, descriptor indexes, in English and in French and in one other thesaurus language, at present Dutch, German and Spanish) at a price of £3 per A4 page. The charge of £150 for set-up and selection could be equally divided between all participating agencies provided that they could agree on a common date for this operation, eg mid-January for each preceding year. These

film pages could then be used for the offset printing at national expense of the national surveys which would be distributed free of charge or sold commercially by the national agency concerned. Information on national projects not reported to EUDISED R & D would have to be appended in a second part to the survey or published in any other appropriate form. IPL offered to process such non-reported projects under contract to the national agency concerned. It was agreed that the first issue of the EUDISED R & D Bulletin 1976 should be sent to all agencies by the Secretariat with a questionnaire asking whether they intended to avail themselves of these possibilities (deadline for replies: mid-November 1976).

DISSEMINATION AT NATIONAL LEVEL

12. All participants shared the opinion that the main objective of EUDISED R & D was to facilitate and promote the dissemination of research findings to all concerned at national level. Various methods were at present being developed and evaluated by national agencies: loose-leaf information, newsletters, readers' digests, information pages in teacher association periodicals, grants to TV stations, SDI services, etc. It was agreed that the dissemination problems should be studied in greater detail in 1977. It was recommended that the Secretariat should make provision in next year's budget for commissioning under contract to the Council of Europe a publication on the most successful dissemination system(s) at national level and that the Bureau should propose to the Secretariat the country(ies) and author(s) of the publication.

Next meeting 29/30 March 1977 in Strasbourg.

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LISTE DES PARTICIPANTS

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APPENDIX II

AGENDA

1. Opening of the meeting by the Secretariat

2. Adoption of the draft agenda

3. Oral reports by participants on the present state of the national surveys and related activities

4. Report by the Secretariat on the present state of the EUDISED Project

5. Procedure for continuing in 1976 the national surveys of educational research and EUDISED R & D

6. Any other business

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APPENDIX III

EUDISED R & D

Could guidelines on selecting reports be based on the following approach ?

1. For whom do we select ?

   For those responsible at the national or local level for:

   (a) formulating educational policy;
   (b) administering the operation of education institutions;
   (c) planning curricula;
   (d) planning the design or preparation of teaching aids;
   (e) planning research programmes to support any of the above functions.

2. What for ?

   To enable them to give practical guidance in performing these functions.

3. What information should we select ?

   Published researches that may be regarded by those responsible for any of the above functions as of value to them, selected from all the researches carried out in the participating countries.

4. In what form ?

   Giving sufficient information to those listed above, or those responsible for advising them, to indicate whether it would be worth obtaining a complete report of the research in question.

(signed) Leslie Gilbert

APPENDIX IV

EUDISED R & D Worksheets 1976

These instructions for the completion of EUDISED R & D worksheets for the 1976 issues of the R & D Bulletin have been compiled by Peter Peregrinus Limited (PPL) in consultation with the Secretariat of the Committee for Educational Documentation and Information.

Data Elements

(1) Information. Insert 'O' for on-going and 'C' for completed research. These are the only types of projects which will be included in the Bulletins in 1976.

(2) Dates. Indicate the years in which the research began and was or is expected to be completed. Where this is expected to be a one-year project, insert the year and obliterate -19 for the second year. Where the date of completion is unknown, leave the hyphen in, but remove the 19.

(3) Country. Refers to the country in which the research is or was carried out. It is to be indicated by means of the two-character ISO code, a copy of which is attached. The country code will be used as the selection criterion for national subsets of data. Therefore, where the work has been done in more than one country, this is the point which should be borne in mind in choosing which code should be allocated. It is, however, intended that it should be the code of the country reporting the project.

(4) Entry number. Indicates the national number of the project. This should be numeric with not more than six digits and is allocated by the country supplying the worksheet. This number must be unique within that country.

(5) Language. The codes to be used are as follows:-

Dutch	NE
English	EN
French	FR
German	DE
Spanish	ES

(6) Microfiche. Insert (a) if there exists on microfiche a longer abstract than that given in the worksheet and insert (b) if there exists on microfiche a more detailed description of the project.

(7) Researchers. Insert the entry part of the researcher's name on the left-hand side of the line and insert any other names to the right of the dotted delimiter. Up to and including eight names may be inserted. First names should be inserted in full. The first researcher named should be the person who should be contacted for details of the project.

(8) Research supervisors. This refers to the person who supervises the research (for example, the person supervising a thesis). Complete this section as for section (7).

(9) Institutions where the research is or was carried out. Refers to the institution(s) directly responsible for the research. Translate name of institution(s) into English or French in the case of languages for which a EUDISED thesaurus version does not exist. Where there is more than one departmental name in the title, present the departments in descending order of their hierarchical position within the institution(s).

(10) Parent institution. Refers to the institution to which that mentioned in (9) is attached (for example, the university of which an institute or a research unit is a dependent part). Complete this section as for section (9).

(11) Source(s) of finance. This refers to the organisation(s) supplying the financial means to conduct the research. Complete this section as for section (9).

(12) Research title in the original language. Indicate title (and sub-title, if appropriate) in the original language; add, if necessary, the currently used abbreviation of the project title.

(13) Research title translated either in English or French. If the original title is not in English or French, it must be translated into one of these two languages.

(14) Abstract. The five categories given on the worksheet should be used as far as appropriate, but in all cases the categories "aims", "methods" and "results" should be used ("results", of course, only in the case of completed research). The abstract should be clearly divided into paragraphs for each category used.

The abstract may be written in any language for which a EUDISED thesaurus version exists. If an adequate translation into English or French is available, it may be given instead of the national language abstract.

(15) EUDISED facets. Three five-figure places are available (the five figures refer to the reference numbers of the subject headings (facets) in the EUDISED thesaurus ending with two zeros, e.g. 18100 not 18000). Place the research topic under up to three EUDISED facet reference numbers. In the first space should be given the reference number of the heading under which the research would be placed if, for example, a bibliography of projects had to be made. The other two spaces are to indicate possible cross-references.

(16) EUDISED descriptors. All the EUDISED descriptors whether embedded in the text or not and independent of the language in which the abstract is written must be inserted here, first in English and then in a separate clearly-marked paragraph in French, to facilitate the preparation of both English and French descriptor indexes, as appropriate software for automatic language separation is not yet available. For the time being, no linking words or symbols should be used to connect the EUDISED descriptors. It is recommended that a maximum of ten descriptors should be used. The sequence of descriptors should be the same in both English and French.

(17) Other terms taken from neighbouring fields. Indicate here, when necessary, other terms which are taken from neighbouring fields such as psychology or medicine and should not be considered in future for inclusion in the EUDISED thesaurus.

(N.B. Those terms which should be considered for inclusion should be indicated in (19).

(18) Specific national terms. Indicate here those terms which relate to one or more national educational institutions.

(19) Other terms to be considered for future inclusion in the EUDISED thesaurus. Indicate here terms which do not exist in the EUDISED thesaurus but which should be considered for inclusion when a revised version is being prepared.

(20) Publications. List publications on the project in chronological order; give bibliographical references such as author(s), title, sub-title, publisher, place of publication, date, number of pages, ISBN/ISSN where appropriate; indicate whether a microfiche version is available. Where it is intended that each publication should appear on a new line in the Bulletin for clarity, the paragraphing should be clearly indicated on the worksheet.

It is essential that data elements (1), (2), (3), (4), (5), (7), (9), (12), (15), (16) are completed otherwise the project will not be able to be processed by the system. All other data elements are optional and should be used only if appropriate to the particular project under consideration.

The character set to be used for completion of the forms consists of the characters shown as Appendix A. Codings shown there are for internal use by PPL and should not be used by the national agencies.

The maximum number of characters to be included on each worksheet for all data elements is approximately 3,500.

Please note that these worksheets, when complete, should be sent to the Secretary of the Committee at Strasbourg and not directly to PPL since linguistic checking and editing will have to be performed.

PART I. ALPHABETICAL LISTING OF COUNTRIES BY NAME

NAME		NOTATION
AFGHANISTAN		AF
ALBANIA		AL
ALGERIA		DZ
ANDORRA		AD
ARGENTINA		AR
AUSTRALIA		AU
AUSTRIA		AT
BAHAMAS		BS
BAHRAIN		BH
BANGLADESH		BD
BARBADOS		BB
BELGIUM		BE
BERMUDA		BM
BHUTAN		BT
BOLIVIA		BO
BOTSWANA		BW
BRAZIL		BR
BULGARIA		BG
BURMA		BU
BURUNDI		BI
BYELORUSSIAN SOVIET SOCIALIST REPUBLIC (BYELORUSSIAN SSR)		BY
CAMBODIA		KH
CAMEROON	SEE	UNITED REPUBLIC OF CAMEROON
CANADA		CA
CENTRAL AFRICAN REPUBLIC		CF
CEYLON	SEE	SRI LANKA
CHAD		TD
CHILE		CL
CHINA		CN
COLOMBIA		CO
CONGO		CG
COSTA RICA		CR
CUBA		CU
CYPRUS		CY
CZECHOSLOVAKIA		CS
DAHOMEY		DY
DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA		KP
DEMOCRATIC REPUBLIC OF VIET-NAM		VD
DEMOCRATIC YEMEN		YD
DENMARK		DK
DOMINICAN REPUBLIC		DO
ECUADOR		EC
EGYPT		EG
EL SALVADOR		SV
ENGLAND	SEE	UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND (UK)
EQUATORIAL GUINEA		GQ
ETHIOPIA		ET
FEDERAL REPUBLIC OF GERMANY (F.R. GERMANY)	SEE	GERMANY, FEDERAL REPUBLIC OF (F.R. GERMANY)
FIJI		FJ
FINLAND		FI
FRANCE		FR
GABON		GA
GAMBIA		GM
GERMAN DEMOCRATIC REPUBLIC		DD

GERMANY, FEDERAL REPUBLIC OF (F.R. GERMANY)		DE
GHANA		GH
GREAT BRITAIN	SEE	UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND (UK)
GREECE		GR
GRENADA		GD
GUATEMALA		GT
GUINEA		GN
GUINEA-BISSAU		GW
GUYANA		GY
HAITI		HT
HOLY SEE		VA
HONDURAS		HN
HONG KONG		HK
HUNGARY		HU
ICELAND		IS
INDIA		IN
INDONESIA		ID
IRAN		IR
IRAQ		IQ
IRELAND		IE
ISRAEL		IL
ITALY		IT
IVORY COAST		CI
JAMAICA		JM
JAPAN		JP
JORDAN		JO
KENYA		KE
KHMER REPUBLIC	SEE	CAMBODIA
KOREA	SEE	KOREA, REPUBLIC OF
KOREA NORTH	SEE	DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA
KOREA, REPUBLIC OF		KR
KUWAIT		KW
LAOS		LA
LEBANON		LB
LESOTHO		LS
LIBERIA		LR
LIBYAN ARAB REPUBLIC		LY
LIECHTENSTEIN		LI
LUXEMBOURG		LU
MADAGASCAR		MG
MALAWI		MW
MALAYSIA		MY
MALDIVES		MV
MALI		ML
MALTA		MT
MAURITANIA		MR
MAURITIUS		MU
MEXICO		MX
MONACO		MC
MONGOLIA		MN
MOROCCO		MA
NAURU		NR
NEPAL		NP
NETHERLANDS		NL
NEW ZEALAND		NZ
NICARAGUA		NI
NIGER		NE
NIGERIA		NG
NORWAY		NO
OMAN		OM
PAKISTAN		PK
PANAMA		PA
PARAGUAY		PY

PEOPLE'S DEMOCRATIC REPUBLIC OF YEMEN	SEE	DEMOCRATIC YEMEN
PEOPLE'S REPUBLIC OF THE CONGO	SEE	CONGO
PERU		PE
PHILIPPINES		PH
POLAND		PL
PORTUGAL		PT
PUERTO RICO		PR
QATAR		QA
ROMANIA		RO
RWANDA		RW
SAN MARINO		SM
SAUDI ARABIA		SA
SENEGAL		SN
SIERRA LEONE		SL
SIKKIM		SK
SINGAPORE		SG
SOMALIA		SO
SOUTH AFRICA		ZA
SOUTHERN RHODESIA		RH
SOUTHERN YEMEN	SEE	DEMOCRATIC YEMEN
SOVIET UNION	SEE	UNION OF SOVIET SOCIALIST REPUBLICS (USSR)
SPAIN		ES
SRI LANKA		LK
SUDAN		SD
SWAZILAND		SZ
SWEDEN		SE
SWITZERLAND		CH
SYRIA		SY
TANZANIA	SEE	UNITED REPUBLIC OF TANZANIA
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TRINIDAD AND TOBAGO		TT
TUNISIA		TN
TURKEY		TR
UGANDA		UG
UKRAINIAN SOVIET SOCIALIST REPUBLIC (UKRAINIAN SSR)		UA
UNION OF SOVIET SOCIALIST REPUBLICS (USSR)		SU
UNITED ARAB EMIRATES		AE
UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND (UK)		GB
UNITED REPUBLIC OF CAMEROON		CM
UNITED REPUBLIC OF TANZANIA		TZ
UNITED STATES OF AMERICA (USA)		US
UPPER VOLTA		HV
URUGUAY		UY
VATICAN CITY	SEE	HOLY SEE
VENEZUELA		VE
VIET-NAM, NORTH	SEE	DEMOCRATIC REPUBLIC OF VIET-NAM
WESTERN SAMOA		WS
YEMEN		YE
YEMEN ARAB REPUBLIC	SEE	YEMEN
YEMEN, SOUTHERN	SEE	DEMOCRATIC YEMEN
YUGOSLAVIA		YU
ZAIRE		ZR
ZAMBIA		ZM

Appendix A

```
1 2 3 4 5 6 7 8 9 0 [ ]
q w e r t y u i o p =
a s d f g h j k l - ;
z x c v b n m , . /

! ¶ @ $ % / & * ( ) } ∆
Q W E R T Y U I O P +
A S D F G H J K L _ :
Z X C V B N M , . ?
```

Alphabet C (zero)

{	[	$0A	→
}	]	$0B	| modulus
'	' apostrophe	$0D	° degree
^	→ (for editing)	$0G	>
${	⟦ special bracket	$0I	∞
$}	⟧ "	$0L	<
$!	¦	$0M	× multiply
$-	- minus	$0P	±
$*	*		
$$	$		
$'	' open quote		

Special character codes Greek alphabet

Lower case Greek

Ga	α	alpha	Gn	ν	nu
Gb	β	beta	Go	ο	omicron
Gc	χ	chi	Gp	π	pi
Gd	δ	delta	Gq	θ	theta
Ge	ε	epsilon	Gr	ρ	rho
Gf	φ	phi	Gs	σ	sigma
Gg	γ	gamma	Gt	τ	tau
Gh	η	eta	Gu	υ	upsilon
Gi	ι	iota	Gv		
Gj			Gw	ω	omega
Gk	κ	kappa	Gx	ξ	xi
Gl	λ	lambda	Gy	ψ	psi
Gm	μ	mu	Gz	ζ	zeta

Capital Greek

GA		alpha A	GN		nu N
GB		beta B	GO		omicron O
GC		chi X	GP	Π	pi
GD	Δ	delta	GQ	Θ	theta
GE		epsilon E	GR		rho P
GF	Φ	phi	GS	Σ	sigma
GG	Γ	gamma	GT		tau T
GH		eta H	GU	Υ	upsilon
GI		iota I	GV		
GJ			GW	Ω	omega
GK		kappa K	GX	Ξ	xi
GL	Λ	lambda	GY	Ψ	psi
GM		mu M	GZ		zeta Z

Special character codes INSPEC Standard

Alphabet 1

1A	å angstrom a	1N	ι iota
1B	Å "	1O	ο omicron
1C	ç cedilla c	1P	´ Floating accent
1D	ħ Modified letter	1Q	` "
1E	ł "	1R	^ "
1F	ƶ "	1S	ˇ "
1G	ñ n tilde	1T	˚ "
1H	ø Modified letter	1U	˘ "
1I	ø "	1V	¨ "
1J	ʉ "	1W	¯ "
1K	ʉ "	1X	∂ partial delta
1L		1Y	ϑ curly theta
1M	∈ epsilon (special)	1Z	ℵ aleph

Alphabet 2

2A	Γ Gamma	2N	' prime
2B	Θ Theta	2O	" double prime
2C	Λ Lambda	2P	!
2D	Ξ Xi	2Q	?
2E	Π Pi	2R	&
2F	Υ Upsilon	2S	- en rule
2G	Φ Phi	2T	/ fraction bar
2H	Ψ Psi	2U	*
2I	Ω Omega	2V	£
2J	⟨ Angle bracket	2W	$
2K	⟩ "	2X	†
2L	{	2Y	‡
2M	}	2Z	~

Alphabet 3

3A	$\mp$	3N	$\leq$
3B	$\div$	3O	$[\![$ Special bracket
3C	$\neq$	3P	$\geqslant$
3D	$\approx$	3Q	$\ll$
3E	$\equiv$	3R	$\gg$
3F	$\triangleq$	3S	$\parallel$
3G	$\fallingdotseq$	3T	$\surd$
3H	$\simeq$	3U	$\propto$
3I	$\cong$	3V	$\int$
3J	$\prec$	3W	$\oint$
3K	$\succ$	3X	$\iint$
3L	$\preccurlyeq$	3Y	$\propto$
3M	$\succcurlyeq$	3Z	

Alphabet 4

4A	$\leftarrow$	4N	$\not\supset$
4B	$\rightleftarrows$	4O	$]\!]$ Special bracket
4C	$\leftrightarrows$	4P	$\subseteq$
4D	$\rightleftharpoons$	4Q	$\supseteq$
4E	$\leftrightharpoons$	4R	$\subset$
4F	$\perp$	4S	$\supset$
4G	$\angle$	4T	$\in$
4H	$\wedge$	4U	$\notin$
4I	$\cap$	4V	$\oplus$
4J	$\cup$	4W	$\otimes$
4K	$\subset$	4X	$\ominus$
4L	$\supset$	4Y	$\odot$
4M	$\not\subset$	4Z	$\square$

Alphabet 5 Upper case Script Alphabet 6 Upper case Gothic